

**In the specification:**

Please amend Table S6 to insert the following SEQ ID

NOS:

Gene Description Positive genes (60) (Highly Expressed in High NPI Tumors)	Unigene No.	Biological Process (GO)	SEQ ID NO:
adenine phosphoribosyltransferase	Hs.28914	9116 // nucleoside metabolism //extended: inferred from electronic annotation; Pribosyltran; 5e-44	<u>1</u>
MCM4 minichromosome maintenance deficient 4 (S. cerevisiae)	Hs.15443	6260 // DNA replication // predicted/computed	<u>2-5</u>
exonuclease 1	Hs.47504	6310 // DNA recombination // experimental evidence /// 6281 // DNA repair // experimental evidence /// 6298 // mismatch repair // predicted/computed	<u>6-11</u>
Metallothionein 1H-like protein [Homo sapiens], mRNA sequence	Hs. 367850	---	<u>12</u>
Homo sapiens, clone IMAGE:5270727 mRNA, mRNA sequence	Hs.319215	---	<u>13</u>
DC13 protein	Hs.6879	---	<u>14-16</u>
HSPCO37	Hs.433180	---	<u>17-24</u>
H2A histone family, member Z	Hs.119192	---	<u>25-29</u>
Discs, large homolog 7 (Drosophila)	Hs.77695	7267 // cell-cell signaling // extended: Unknown; GKAP; 2.1e-05	<u>30-36</u>
RNA helicase-related protein [Homo sapiens], mRNA sequence	Hs.381097	---	<u>37-38</u>
Kinesin-like 1	Hs.8878	7067 // mitosis // experimental evidence /// 7052 // mitotic spindle assembly // experimental evidence	<u>39-43</u>
Chromosome 20 open reading frame 1	Hs.9329	7067 // mitosis // predicted/computed /// 8283 // cell proliferation // predicted/computed	<u>44-45</u>
KIAA0095 gene product	Hs.155314	---	<u>46-50</u>
Helicase, lymphoid specific	Hs.203963	---	<u>51-56</u>
Homeobox HB9	Hs.37035	6959 // humoral immune response // experimental evidence /// 6357 // regulation of transcription from Pol II promoter // predicted/computed /// 7345 // embryogenesis and morphogenesis // experimental evidence	<u>57-59</u>
DNA segment on chromosome X (unique) 9879 expressed sequence	Hs.18212	---	<u>60-63</u>
MAD2 mitotic arrest deficient-like 1 (yeast)	Hs.79078	7067 // mitosis // predicted/computed /// 7093 // mitotic checkpoint //	<u>64-70</u>

eukaryotic translation initiation factor 4E binding protein 1	Hs.433317	experimental evidence 6445 // regulation of translation // predicted/computed	<u>71-76</u>
Cathepsin C	Hs.10029	6508 // proteolysis and peptidolysis // not recorded /// 6955 // immune response // experimental evidence	<u>77-82</u>
H2B histone family, member J	Hs.249216	---	<u>83</u>
Proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7)	Hs.180062	6508 // proteolysis and peptidolysis // not recorded	<u>84-89</u>
Hypothetical protein FLJ20105	Hs.89306	---	<u>90-95</u>
Chromosome 10 open reading frame 3	Hs.14559	---	<u>96-99</u>
Uncharacterized bone marrow protein BM039	Hs. 283532	---	<u>100-101</u>
Likely ortholog of mouse gene rich cluster, C8 gene	Hs.30114	---	<u>102-105</u>
Cell division cycle 2, G1 to S and G2 to M	Hs.334562	74 // regulation of cell cycle // not recorded /// 7089 // start control point of mitotic cell cycle // not recorded	<u>106-112</u>
Metallothionein 2A	Hs.118786	6878 // copper homeostasis // predicted/computed	<u>113-117</u>
Geminin, DNA replication inhibitor	Hs. 234896	7050 // cell cycle arrest // predicted/computed /// 8156 // negative regulation of DNA replication // predicted/computed	<u>118-122</u>
low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	Hs. 54481	7165 // signal transduction // predicted/computed /// 6629 // lipid metabolism // predicted/computed	<u>123-130</u>
hematological and neurological expressed 1	Hs. 109706	---	<u>131-138</u>
H1 Histone family, member 2	Hs. 7644	---	<u>139</u>
nudix (nucleoside diphosphate linked moiety X)-type motif 1	Hs.388	6979 // response to oxidative stress // predicted/computed /// 6281 // DNA repair // not recorded	<u>140-148</u>
Metallothionein 1X	Hs.374950	---	<u>149-154</u>
H2B histone family member T	Hs.247817	---	<u>155-158</u>
Tetraspan 1	Hs.38972	8283 // cell proliferation // not recorded /// 8583 // mystery cell fate differentiation (sensu Drosophila) // predicted/computed /// 7155 // cell adhesion // not recorded /// 6928 // cell motility // not recorded	<u>159-165</u>
Metallothionein 1H	Hs.2667	---	<u>166-169</u>
H3 histone family member K	Hs.70937	---	<u>170</u>
Ribonucleotide reductase M2 polypeptide	Hs.75319	---	<u>171-178</u>
Baculoviral IAP repeat	Hs.1578	86 // G2/M transition of mitotic	<u>179-185</u>

containing 5 (surviving)		cell cycle // experimental evidence /// 7048 // oncogenesis // predicted/computed /// 6916 // anti-apoptosis // experimental evidence	
F-box only protein 5	Hs.27027	6508 // proteolysis and peptidolysis // predicted/computed	<u>186-192</u>
serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member	Hs.297681	---	<u>193-202</u>
lysosomal associated protein transmembrane 4 b	Hs.296398	---	<u>203-212</u>
chemokine (C-X3-C motif) ligand 1	Hs.80420	7165 // signal transduction // experimental evidence /// 6954 // inflammatory response // not recorded /// 6935 // chemotaxis // experimental evidence /// 6955 // immune response // not recorded /// 7155 // cell adhesion // experimental evidence /// 7267 // cell-cell signaling // experimental evidence	<u>213-217</u>
CD27-binding (Siva) protein	Hs.112058	8624 // induction of apoptosis by extracellular signals // predicted/computed /// 6952 // defense response // predicted/computed	<u>218-225</u>
LGN protein	Hs.278338	7186 // G-protein coupled receptor protein signaling pathway // predicted/computed	<u>226-229</u>
Mouse Mammary Tumor Virus Receptor homolog 1	Hs.18686	---	<u>230-233</u>
Forkhead box M1	Hs.239	6366 // transcription from Pol II promoter // experimental evidence /// 6979 // response to oxidative stress // experimental evidence	<u>234-243</u>
met proto-oncogene (hepatocyte growth factor receptor)	Hs.316752	7048 // oncogenesis // experimental evidence /// 8283 // cell proliferation // predicted/computed /// 7165 // signal transduction // predicted/computed	<u>244-252</u>
butyrophilin, subfamily 3, member A2	Hs.87497	---	<u>253-259</u>
SBB126 protein	Hs.26481	---	<u>260-268</u>
likely ortholog of mouse Shc SH2-domain binding protein 1	Hs.123253	---	<u>269</u>
H3 histone family, member B	Hs.143042	---	<u>270-271</u>
Trefoil factor 3 (intestinal)	Hs.82961	6952 // defense response // predicted/computed /// 7586 // digestion // predicted/computed	<u>272-276</u>
Immunoglobulin lambda locus	Hs.405944	---	<u>277-280</u>
DNA replication factor	Hs.122908	---	<u>281-291</u>
Homo sapiens cDNA FLJ30781 fis, clone FEBRA2000874, mRNA	Hs.301663	---	<u>292</u>

sequence			
chemokine (C--C motif) ligand 18 (pulmonary and activation-regulated)	Hs.16530	7165 // signal transduction // experimental regulated) evidence /// 7154 // cell communication // predicted/computed /// 6935 // chemotaxis // experimental evidence /// 6955 // immune response // predicted/computed /// 6960 // antimicrobial humoral response (sensu Invertebrata) // predicted/computed /// 9607 // response to biotic stimulus // predicted/computed /// 7267 // cell-cell signaling // experimental evidence	<u>293-295</u>
Immunoglobulin kappa constant	Hs.405565	---	<u>296-297</u>
Suppressor of Ty 4 homolog ( <i>S. cerevisiae</i> )	Hs.79058	6355 // regulation of transcription, DNA- dependent // predicted/computed /// 6357 // regulation of transcription from Pol II promoter // predicted/computed /// 6338 // chromatin modeling // predicted/computed	<u>298-301</u>
Paternally expressed 10	Hs.137476	---	302-304
<b>Negative genes (2)</b> <b>(Highly Expressed in Low</b> <b>NPI Tumors)</b>			
BTG family, member 2	Hs.75462	8285 // negative regulation of cell proliferation // predicted/computed /// 6281 // DNA repair // predicted/computed /// 6976 // DNA damage response, activation of p53 // predicted/computed	<u>305-306</u>
Cytochrome P450, subfamily IVF, polypeptide B	Hs.268554	268554 6118 // electron transport // extended: Unknown; p450; 1.9e-142 /// 6693 // prostaglandin metabolism // predicted/computed	<u>307-309</u>